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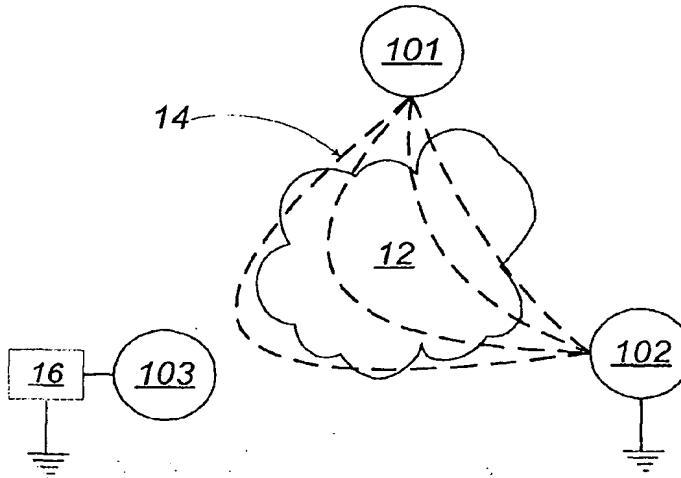
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**(54) Title: METHOD AND DEVICE FOR WOUND HEALING**



**(57) Abstract:** A method of promoting the healing of a wound disposed in soft tissue and having a physical extent is disclosed, comprising the steps of providing control circuitry to control the application of electrical current through a plurality of electrodes; applying three or more electrodes (101-103) to the surface of the soft tissue around and in proximity to the wound (12), wherein each of the three or more electrodes is connected to the control circuitry; conducting an electrical current (14) through the three or more electrodes, such that one electrode functions as a current source and one or more of the remaining electrodes functions as a current sink; and switching the function of acting as a current source and as a current sink among the electrodes. A device and suitable control circuitry are also disclosed.